Table J1a.--Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
AgC:														
Allegheny	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.22	0.0-2.9	1.0-4.0	.32	.32	4	---	---
	5-35	---	---	18-35	1.20-1.50	4.00-14.00	0.13-0.18	0.0-2.9	---	.28	---			
	35-52	---	---	10-35	1.20-1.40	4.00-14.00	0.08-0.17	0.0-2.9	---	.28	---			
AgD:														
Allegheny	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.22	0.0-2.9	1.0-4.0	.32	.32	4	---	---
	5-35	---	---	18-35	1.20-1.50	4.00-14.00	0.13-0.18	0.0-2.9	---	.28	---			
	35-52	---	---	10-35	1.20-1.40	4.00-14.00	0.08-0.17	0.0-2.9	---	.28	---			
At:														
Atkins	0-11	22	55	18-27	1.20-1.40	4.00-14.00	0.14-0.22	0.0-2.9	2.0-4.0	.32	.32	4	---	---
	11-48	---	---	18-35	1.20-1.50	0.42-14.00	0.14-0.18	0.0-2.9	---	.32	---			
	48-56	---	---	10-35	1.20-1.50	1.40-42.00	0.08-0.18	0.0-2.9	---	.28	---			
Ch:														
Chavies	0-7	71	17	7-18	1.20-1.40	14.00-42.00	0.11-0.18	0.0-2.9	0.5-4.0	.24	.24	4	3	---
	7-36	---	---	7-18	1.20-1.40	14.00-42.00	0.11-0.20	0.0-2.9	---	.24	---			
	36-53	---	---	7-18	1.30-1.50	14.00-42.00	0.08-0.18	0.0-2.9	---	.24	---			
ClB:														
Clarksburg	0-12	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	1.0-3.0	.37	.37	3	---	---
	12-32	---	---	22-35	1.30-1.50	4.00-14.00	0.12-0.18	3.0-5.9	---	.28	---			
	32-52	---	---	22-35	1.40-1.70	0.42-4.00	0.06-0.12	3.0-5.9	---	.28	---			
Melvin	---	---	---	---	---	---	---	---	---	---	---	--	---	---
ClC:														
Clarksburg	0-12	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	1.0-3.0	.37	.37	3	---	---
	12-32	---	---	22-35	1.30-1.50	4.00-14.00	0.12-0.18	3.0-5.9	---	.28	---			
	32-52	---	---	22-35	1.40-1.70	0.42-4.00	0.06-0.12	3.0-5.9	---	.28	---			
ClD:														
Clarksburg	0-12	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	1.0-3.0	.37	.37	3	---	---
	12-32	---	---	22-35	1.30-1.50	4.00-14.00	0.12-0.18	3.0-5.9	---	.28	---			
	32-52	---	---	22-35	1.40-1.70	0.42-4.00	0.06-0.12	3.0-5.9	---	.28	---			
ClD3:														
Clarksburg	0-12	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	1.0-3.0	.37	.37	3	---	---
	12-32	---	---	22-35	1.30-1.50	4.00-14.00	0.12-0.18	3.0-5.9	---	.28	---			
	32-52	---	---	22-35	1.40-1.70	0.42-4.00	0.06-0.12	3.0-5.9	---	.28	---			
CoB:														
Cookport	0-14	27	54	10-27	1.20-1.40	4.00-14.00	0.12-0.16	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	14-26	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	26-38	---	---	18-35	1.40-1.70	0.42-1.40	0.08-0.12	0.0-2.9	---	.24	---			
	38-42	---	---	10-27	1.20-1.50	1.40-4.00	0.08-0.12	0.0-2.9	---	.24	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
CoC:														
Cookport	0-14	27	54	10-27	1.20-1.40	4.00-14.00	0.12-0.16	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	14-26	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	26-38	---	---	18-35	1.40-1.70	0.42-1.40	0.08-0.12	0.0-2.9	---	.24	---			
	38-42	---	---	10-27	1.20-1.50	1.40-4.00	0.08-0.12	0.0-2.9	---	.24	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
CuC:														
Culleoka	0-8	26	53	15-27	1.20-1.40	4.00-42.00	0.14-0.20	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	8-33	---	---	18-35	1.20-1.50	4.00-42.00	0.12-0.20	0.0-2.9	---	.28	---			
	33-38	---	---	18-45	1.20-1.50	4.00-42.00	0.05-0.14	0.0-2.9	---	.17	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
CuD:														
Culleoka	0-8	26	53	15-27	1.20-1.40	4.00-42.00	0.14-0.20	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	8-33	---	---	18-35	1.20-1.50	4.00-42.00	0.12-0.20	0.0-2.9	---	.28	---			
	33-38	---	---	18-45	1.20-1.50	4.00-42.00	0.05-0.14	0.0-2.9	---	.17	---			
	38-42	---	---	---	---	---	---	---	---	---	---			

J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
CuE:														
Culleoka	0-8	26	53	15-27	1.20-1.40	4.00-42.00	0.14-0.20	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	8-33	---	---	18-35	1.20-1.50	4.00-42.00	0.12-0.20	0.0-2.9	---	.28	---			
	33-38	---	---	18-45	1.20-1.50	4.00-42.00	0.05-0.14	0.0-2.9	---	.17	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
CuE3:														
Culleoka	0-8	26	53	15-27	1.20-1.40	4.00-42.00	0.14-0.20	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	8-33	---	---	18-35	1.20-1.50	4.00-42.00	0.12-0.20	0.0-2.9	---	.28	---			
	33-38	---	---	18-45	1.20-1.50	4.00-42.00	0.05-0.14	0.0-2.9	---	.17	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
CuF3:														
Culleoka	0-8	26	53	15-27	1.20-1.40	4.00-42.00	0.14-0.20	0.0-2.9	1.0-4.0	.32	.32	3	---	---
	8-33	---	---	18-35	1.20-1.50	4.00-42.00	0.12-0.20	0.0-2.9	---	.28	---			
	33-38	---	---	18-45	1.20-1.50	4.00-42.00	0.05-0.14	0.0-2.9	---	.17	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
DeC:														
Dekalb	0-11	66	19	10-20	1.20-1.50	42.00-141.00	0.08-0.12	0.0-2.9	2.0-4.0	.24	.24	2	---	---
	11-33	---	---	7-18	1.20-1.50	42.00-141.00	0.06-0.12	0.0-2.9	---	.17	---			
	33-37	---	---	---	---	---	---	---	---	---	---			
DsF:														
Dekalb	0-11	66	19	10-20	1.20-1.50	42.00-141.00	0.08-0.12	0.0-2.9	2.0-4.0	.17	.24	2	---	---
	11-33	---	---	7-18	1.20-1.50	42.00-141.00	0.06-0.12	0.0-2.9	---	.17	---			
	33-37	---	---	---	---	---	---	---	---	---	---			
EnB:														
Ernest	0-6	29	53	15-20	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	2.0-4.0	.43	.43	3	---	---
	6-28	---	---	20-35	1.30-1.50	4.00-14.00	0.12-0.16	3.0-5.9	---	.32	---			
	28-48	---	---	18-30	1.40-1.70	0.42-4.00	0.08-0.12	0.0-2.9	---	.32	---			
	48-53	---	---	20-35	1.30-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.32	---			
Atkins	---	---	---	---	---	---	---	---	---	---	---	--	---	---
EnC:														
Ernest	0-6	29	53	15-20	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	2.0-4.0	.43	.43	3	---	---
	6-28	---	---	20-35	1.30-1.50	4.00-14.00	0.12-0.16	3.0-5.9	---	.32	---			
	28-48	---	---	18-30	1.40-1.70	0.42-4.00	0.08-0.12	0.0-2.9	---	.32	---			
	48-53	---	---	20-35	1.30-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.32	---			
EnD:														
Ernest	0-6	29	53	15-20	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	2.0-4.0	.43	.43	3	---	---
	6-28	---	---	20-35	1.30-1.50	4.00-14.00	0.12-0.16	3.0-5.9	---	.32	---			
	28-48	---	---	18-30	1.40-1.70	0.42-4.00	0.08-0.12	0.0-2.9	---	.32	---			
	48-53	---	---	20-35	1.30-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.32	---			
EsC:														
Ernest	0-6	29	53	15-20	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	1.0-4.0	.32	.43	3	---	---
	6-28	---	---	20-35	1.30-1.50	4.00-14.00	0.12-0.16	3.0-5.9	---	.32	---			
	28-48	---	---	18-30	1.40-1.70	0.42-4.00	0.08-0.12	0.0-2.9	---	.32	---			
	48-53	---	---	20-35	1.30-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.32	---			
Atkins	---	---	---	---	---	---	---	---	---	---	---	--	---	---
EsD:														
Ernest	0-6	29	53	15-20	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	1.0-4.0	.32	.43	3	---	---
	6-28	---	---	20-35	1.30-1.50	4.00-14.00	0.12-0.16	3.0-5.9	---	.32	---			
	28-48	---	---	18-30	1.40-1.70	0.42-4.00	0.08-0.12	0.0-2.9	---	.32	---			
	48-53	---	---	20-35	1.30-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.32	---			
FaC:														
Faywood	0-5	18	49	27-40	1.30-1.40	4.00-14.00	0.18-0.22	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	5-30	---	---	35-60	1.35-1.45	0.42-4.00	0.12-0.17	3.0-5.9	---	.28	---			
	30-34	---	---	---	---	---	---	---	---	---	---			
FaD:														
Faywood	0-5	18	49	27-40	1.30-1.40	4.00-14.00	0.18-0.22	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	5-30	---	---	35-60	1.35-1.45	0.42-4.00	0.12-0.17	3.0-5.9	---	.28	---			
	30-34	---	---	---	---	---	---	---	---	---	---			

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
FaE:														
Faywood	0-5	18	49	27-40	1.30-1.40	4.00-14.00	0.18-0.22	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	5-30	---	---	35-60	1.35-1.45	0.42-4.00	0.12-0.17	3.0-5.9	---	.28	---			
	30-34	---	---	---	---	---	---	---	---	---	---			
FaF:														
Faywood	0-5	18	49	27-40	1.30-1.40	4.00-14.00	0.18-0.22	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	5-30	---	---	35-60	1.35-1.45	0.42-4.00	0.12-0.17	3.0-5.9	---	.28	---			
	30-34	---	---	---	---	---	---	---	---	---	---			
Fo:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	4.00-14.00	0.10-0.15	0.0-2.9	1.0-3.0	.43	---	5	---	---
	6-42	---	---	5-20	1.00-1.45	4.00-42.00	0.06-0.12	0.0-2.9	---	.37	---			
	42-60	---	---	18-35	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.32	---			
Unnamed series	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GlB:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GlC:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GlD:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GlE:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GlF:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GsC:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.24	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GsE:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.24	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GtF:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.24	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
GuC:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
Upshur	0-4	18	51	27-35	1.20-1.50	1.40-4.00	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	7	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GuC3:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GuD:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	18	51	27-35	1.20-1.50	1.40-4.00	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	7	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GuD3:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GuE:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	18	51	27-35	1.20-1.50	1.40-4.00	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	7	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GuE3:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
GuF3:														
Gilpin	0-5	26	53	15-27	1.20-1.40	4.00-14.00	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	5-22	---	---	18-35	1.20-1.50	4.00-14.00	0.12-0.16	0.0-2.9	---	.24	---			
	22-32	---	---	15-35	1.20-1.50	4.00-14.00	0.08-0.12	0.0-2.9	---	.24	---			
	32-36	---	---	---	---	---	---	---	---	---	---			
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Other soils	---	---	---	---	---	---	---	---	---	---	---	--	---	---
GyB:														
Guernsey	0-8	26	54	13-27	1.30-1.50	4.00-14.00	0.19-0.24	0.0-2.9	1.0-3.0	.43	.49	3	6	---
	8-18	---	---	22-38	1.35-1.55	1.40-14.00	0.15-0.21	3.0-5.9	---	.43	---			
	18-42	---	---	35-60	1.40-1.60	0.42-4.00	0.10-0.15	6.0-8.9	---	.32	---			
	42-60	---	---	35-60	1.40-1.60	0.42-4.00	0.06-0.10	6.0-8.9	---	.32	---			
GyC:														
Guernsey	0-8	26	54	13-27	1.30-1.50	4.00-14.00	0.19-0.24	0.0-2.9	1.0-3.0	.43	.49	3	6	---
	8-18	---	---	22-38	1.35-1.55	1.40-14.00	0.15-0.21	3.0-5.9	---	.43	---			
	18-42	---	---	35-60	1.40-1.60	0.42-4.00	0.10-0.15	6.0-8.9	---	.32	---			
	42-60	---	---	35-60	1.40-1.60	0.42-4.00	0.06-0.10	6.0-8.9	---	.32	---			
GyD:														
Guernsey	0-8	26	54	13-27	1.30-1.50	4.00-14.00	0.19-0.24	0.0-2.9	1.0-3.0	.43	.49	3	6	---
	8-18	---	---	22-38	1.35-1.55	1.40-14.00	0.15-0.21	3.0-5.9	---	.43	---			
	18-42	---	---	35-60	1.40-1.60	0.42-4.00	0.10-0.15	6.0-8.9	---	.32	---			
	42-60	---	---	35-60	1.40-1.60	0.42-4.00	0.06-0.10	6.0-8.9	---	.32	---			
GyD3:														
Guernsey	0-8	26	54	13-27	1.30-1.50	4.00-14.00	0.19-0.24	0.0-2.9	1.0-3.0	.43	.49	3	6	---
	8-18	---	---	22-38	1.35-1.55	1.40-14.00	0.15-0.21	3.0-5.9	---	.43	---			
	18-42	---	---	35-60	1.40-1.60	0.42-4.00	0.10-0.15	6.0-8.9	---	.32	---			
	42-60	---	---	35-60	1.40-1.60	0.42-4.00	0.06-0.10	6.0-8.9	---	.32	---			
Ha:														
Hackers	0-10	11	68	15-27	1.20-1.40	4.00-14.00	0.18-0.24	0.0-2.9	2.0-4.0	.32	.32	4	5	---
	10-50	---	---	18-35	1.30-1.50	4.00-14.00	0.12-0.18	3.0-5.9	---	.37	---			
	50-70	---	---	18-35	1.30-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
Ln:														
Lindside	0-10	11	68	15-27	1.20-1.40	4.00-14.00	0.20-0.26	0.0-2.9	2.0-4.0	.32	.32	5	---	---
	10-40	---	---	18-35	1.20-1.40	1.40-14.00	0.17-0.22	0.0-2.9	---	.37	---			
	40-60	---	---	18-35	1.20-1.40	1.40-42.00	0.12-0.18	0.0-2.9	---	.32	---			
Melvin	---	---	---	---	---	---	---	---	---	---	---	--	---	---
Me:														
Melvin	0-6	14	71	12-17	1.20-1.60	4.00-14.00	0.18-0.23	0.0-2.9	0.5-3.0	.43	.43	5	---	---
	6-46	---	---	12-35	1.30-1.60	4.00-14.00	0.18-0.23	0.0-2.9	---	.43	---			
	46-52	---	---	7-35	1.40-1.70	4.00-14.00	0.16-0.23	0.0-2.9	---	.43	---			
MoB:														
Monongahela	0-8	27	54	10-27	1.20-1.40	4.00-14.00	0.18-0.24	0.0-2.9	2.0-4.0	.43	.43	3	5	---
	8-26	---	---	18-35	1.30-1.50	4.00-14.00	0.14-0.18	0.0-2.9	---	.43	---			
	26-56	---	---	18-35	1.30-1.60	0.42-4.00	0.08-0.12	0.0-2.9	---	.43	---			
	56-61	---	---	10-35	1.20-1.40	1.40-4.00	0.08-0.12	0.0-2.9	---	.37	---			
MoC:														
Monongahela	0-8	27	54	10-27	1.20-1.40	4.00-14.00	0.18-0.24	0.0-2.9	2.0-4.0	.43	.43	3	5	---
	8-26	---	---	18-35	1.30-1.50	4.00-14.00	0.14-0.18	0.0-2.9	---	.43	---			
	26-56	---	---	18-35	1.30-1.60	0.42-4.00	0.08-0.12	0.0-2.9	---	.43	---			
	56-61	---	---	10-35	1.20-1.40	1.40-4.00	0.08-0.12	0.0-2.9	---	.37	---			
No:														
Nolin	0-8	12	69	12-27	1.20-1.40	4.00-14.00	0.18-0.23	0.0-2.9	2.0-4.0	.43	.43	5	---	---
	8-45	---	---	18-35	1.25-1.50	4.00-14.00	0.18-0.23	0.0-2.9	---	.43	---			
	45-66	---	---	10-30	1.30-1.55	4.00-42.00	0.10-0.23	0.0-2.9	---	.43	---			

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
Ph:														
Philo	0-7	30	56	10-18	1.20-1.40	4.00-14.00	0.14-0.20	0.0-2.9	2.0-4.0	.37	.37	5	---	---
	7-28	---	---	10-18	1.20-1.40	4.00-14.00	0.10-0.20	0.0-2.9	---	.32	---			
	28-50	---	---	5-18	1.20-1.40	14.00-42.00	0.06-0.10	0.0-2.9	---	.24	---			
Atkins	---	---	---	---	---	---	---	---	---	---	---	--	---	---
Po:														
Pope	0-9	33	57	5-15	1.20-1.40	4.00-14.00	0.14-0.23	0.0-2.9	1.0-4.0	.37	.37	5	---	---
	9-48	---	---	5-18	1.30-1.60	4.00-42.00	0.10-0.18	0.0-2.9	---	.28	---			
	48-60	---	---	5-20	1.30-1.60	4.00-42.00	0.10-0.18	0.0-2.9	---	.28	---			
RaB:														
Rayne	0-8	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.18	0.0-2.9	1.0-3.0	.28	.28	3	---	---
	8-32	---	---	18-35	1.40-1.60	4.00-14.00	0.12-0.16	0.0-2.9	---	.20	---			
	32-44	---	---	10-30	1.40-1.60	4.00-14.00	0.10-0.16	0.0-2.9	---	.20	---			
	44-48	---	---	---	---	---	---	---	---	---	---			
RaC:														
Rayne	0-8	27	54	10-27	1.20-1.40	4.00-14.00	0.14-0.18	0.0-2.9	1.0-3.0	.28	.28	3	---	---
	8-32	---	---	18-35	1.40-1.60	4.00-14.00	0.12-0.16	0.0-2.9	---	.20	---			
	32-44	---	---	10-30	1.40-1.60	4.00-14.00	0.10-0.16	0.0-2.9	---	.20	---			
	44-48	---	---	---	---	---	---	---	---	---	---			
Sm:														
Udorthents,mudstone,-	0-6	---	---	15-30	1.20-1.60	1.40-14.00	0.12-0.16	0.0-2.9	---	.24	---	5	---	---
	6-60	---	---	18-35	1.20-1.70	1.40-14.00	0.10-0.14	0.0-2.9	---	.24	---			
Tg:														
Tygart	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.18-0.22	0.0-2.9	2.0-4.0	.43	.43	3	---	---
	8-42	---	---	35-50	1.20-1.50	0.42-1.40	0.10-0.14	3.0-5.9	---	.32	---			
	42-54	---	---	35-50	1.30-1.60	0.42-1.40	0.10-0.14	3.0-5.9	---	.32	---			
Purdy	---	---	---	---	---	---	---	---	---	---	---	--	---	---
Uf:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	4.00-14.00	0.10-0.15	0.0-2.9	1.0-3.0	.43	---	5	---	---
	6-42	---	---	5-20	1.00-1.45	4.00-42.00	0.06-0.12	0.0-2.9	---	.37	---			
	42-60	---	---	18-35	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.32	---			
Fluvents	0-6	---	---	5-15	1.00-1.40	4.00-14.00	0.10-0.15	0.0-2.9	0.5-2.0	.43	---	5	---	---
	6-42	---	---	5-20	1.00-1.45	4.00-42.00	0.06-0.12	0.0-2.9	---	.37	---			
	42-60	---	---	18-35	1.20-1.40	4.00-14.00	0.08-0.14	0.0-2.9	---	.32	---			
UhC3:														
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
UhD3:														
Upshur	0-4	7	48	40-50	1.30-1.50	1.40-4.00	0.12-0.16	6.0-8.9	0.5-2.0	.32	.32	2	4	---
	4-32	---	---	40-55	1.30-1.60	0.42-1.40	0.10-0.14	6.0-8.9	---	.32	---			
	32-38	---	---	27-45	1.30-1.60	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
	38-42	---	---	---	---	---	---	---	---	---	---			
Ul:														
Urban land	0-6	0	0	0-0	---	---	---	---	---	.02	.02	1	---	0
VaB:														
Vandalia	0-9	18	51	27-35	1.20-1.50	1.40-14.00	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	---
	9-46	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	6.0-8.9	---	.32	---			
	46-55	---	---	27-50	1.30-1.60	0.42-4.00	0.08-0.12	6.0-8.9	---	.32	---			
VaC:														
Vandalia	0-9	18	51	27-35	1.20-1.50	1.40-14.00	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	---
	9-46	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	6.0-8.9	---	.32	---			
	46-55	---	---	27-50	1.30-1.60	0.42-4.00	0.08-0.12	6.0-8.9	---	.32	---			

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
VaD:														
Vandalia	0-9	18	51	27-35	1.20-1.50	1.40-14.00	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	---
	9-46	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	6.0-8.9	---	.32	---			
	46-55	---	---	27-50	1.30-1.60	0.42-4.00	0.08-0.12	6.0-8.9	---	.32	---			
VaD3:														
Vandalia	0-9	18	51	27-35	1.20-1.50	1.40-14.00	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	---
	9-46	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	6.0-8.9	---	.32	---			
	46-55	---	---	27-50	1.30-1.60	0.42-4.00	0.08-0.12	6.0-8.9	---	.32	---			
WmC:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmC3:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmD:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmD3:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmE:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmE3:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WmF:														
Westmoreland	0-8	26	53	15-27	1.20-1.40	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	5	---
	8-33	---	---	20-35	1.20-1.50	4.00-14.00	0.12-0.18	0.0-2.9	---	.28	---			
	33-42	---	---	18-35	1.20-1.50	4.00-14.00	0.06-0.10	0.0-2.9	---	.17	---			
	42-46	---	---	---	---	---	---	---	---	---	---			
WrC:														
Wharton	0-12	26	54	15-25	1.10-1.30	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	12-51	---	---	15-35	1.20-1.50	0.42-4.00	0.12-0.16	3.0-5.9	---	.24	---			
	51-72	---	---	20-45	1.20-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.17	---			
	72-76	---	---	---	---	---	---	---	---	---	---			
Nolo	---	---	---	---	---	---	---	---	---	---	---	--	---	---
WrD:														
Wharton	0-12	26	54	15-25	1.10-1.30	4.00-14.00	0.16-0.20	0.0-2.9	1.0-4.0	.37	.37	3	---	---
	12-51	---	---	15-35	1.20-1.50	0.42-4.00	0.12-0.16	3.0-5.9	---	.24	---			
	51-72	---	---	20-45	1.20-1.60	0.42-4.00	0.08-0.12	3.0-5.9	---	.17	---			
	72-76	---	---	---	---	---	---	---	---	---	---			
ZoB:														
Zoar	0-7	26	53	15-27	1.20-1.40	4.00-14.00	0.15-0.18	0.0-2.9	1.0-4.0	.43	.43	3	---	---
	7-47	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	3.0-5.9	---	.32	---			
	47-62	---	---	35-50	1.40-1.70	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			

Table J1a.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand RV	Silt RV	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
ZoC:														
Zoar	0-7	26	53	15-27	1.20-1.40	4.00-14.00	0.15-0.18	0.0-2.9	1.0-4.0	.43	.43	3	---	---
	7-47	---	---	35-50	1.30-1.60	0.42-4.00	0.12-0.15	3.0-5.9	---	.32	---			
	47-62	---	---	35-50	1.40-1.70	0.42-1.40	0.08-0.12	3.0-5.9	---	.32	---			
ZZ900:														
Udorthents,sandstone-	0-6	---	---	10-20	1.20-1.60	14.00-141.00	0.08-0.12	0.0-2.9	---	.17	---	5	---	---
	6-60	---	---	10-20	1.20-1.70	14.00-141.00	0.06-0.10	0.0-2.9	---	.17	---			
ZZ901:														
Udorthents,dumps,low-	0-6	---	---	5-18	0.80-1.00	14.00-141.00	0.06-0.10	0.0-2.9	---	.10	---	5	---	---
	6-60	---	---	5-18	0.80-1.00	14.00-141.00	0.06-0.10	0.0-2.9	---	.10	---			
ZZ902:														
Ponds and lakes less-	---	---	---	---	---	---	---	---	---	---	---	--	---	---